

ABSTRACT OF THE DISCLOSURE

A semiconductor device having a liquid crystal driving circuit is disclosed. The driving circuit includes a digital functional unit and an analog functional unit. The digital functional unit is comprised of a display controller and a display data storage RAM, while the analog functional unit is made up of a gradation voltage generating circuit and a gradation voltage selecting circuit. The digital and analog function units are functionally divided from each other and testing of the digital function and testing of the analog function unit are performed in an overlapping manner independently from each other.